

**1/3" CCD SOLID STATE
B & W BOARD CAMERA**

BC460

The BC460 board cameras from Ultrak are 1/3" CCD black-and-white single-board cameras with extremely small dimensions, making them ideal for machine vision applications where space is limited. The cameras are available with a variety of lenses (2.5mm F3.5, 3.6mm F5.0, 6.0mm F4.0, 8.0mm F3.5, 16mm F4.0, 25mm F5.0), including a 3.7mm F4.5 pinhole lens, making them versatile for many industrial imaging applications.

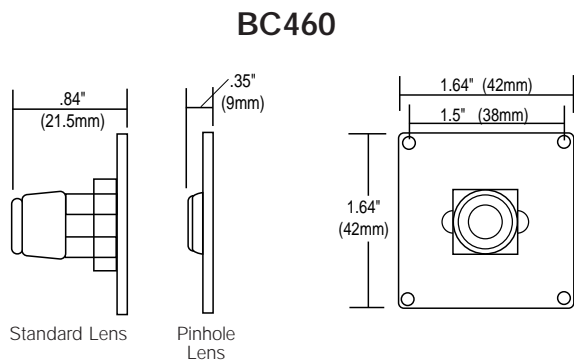


The board cameras offer excellent low-light capability and feature a high resolution sensor (512H x 492V pixels) with 380 horizontal TV lines of resolution. The cameras offer a selectable electronic iris and AGC (Automatic Gain Control) or manual gain control option. The cameras operate in an internal synchronization mode or may be driven externally by applying an external Video Sync signal. CCIR format versions of these cameras are available.

The BC460 board cameras come with Ultrak's 2-year limited warranty.

FEATURES

- 1/3" interline-transfer CCD image sensor
- 512H x 492V pixels
- Extremely small size
- Designed for machine vision applications
- Several lens sizes available
- Electronic iris for light changes
- Excellent low-light capability
- Selectable AGC/manual gain circuitry
- Internal/external sync
- Operates on 12V dc
- 2-year limited warranty



BC460

TECHNICAL SPECIFICATIONS

ELECTRICAL

Image Sensor	1/3" interline transfer CCD
Active Pixels	512H x 492V
Image Sensor Area	4.9mm H x 3.7mm V
Resolution	380 horizontal TV lines
Minimum Scene Illumination	< .5 lux (F2.0, 50%IRE, AGC "ON")
S/N	> 46dB (AGC "ON")
Gamma Correction	0.45
AGC	Selectable or manual
Electronic Iris	Selectable, on/off (1/60 - 1/100,000)
Sync System	Internal/external auto switch to video sync.
Signal Format	EIA, 525 lines, 2:1 interlace
Video Output	1.0Vp-p, negative sync 75 Ohms unbalanced
Lenses:	2.5mm F3.5, 3.6mm F5.0, 6.0mm F4.0, 8.0mm F3.5, 16mm F4.0, 25mm F5.0
Pinhole Lens	3.7mm F4.5
Lens Holder Diameter	13mm
Thread Pitch	1mm
Power Requirements	12V dc \pm 10% (130mA max.)
Power Consumption	1.5W (12V dc)

MECHANICAL

Dimensions:

Camera with Standard Lens:

1.64W x 1.64H x .84D in.
(42W x 42H x 21.3D mm)

Camera with Pinhole Lens:

1.64W x 1.64H x .35D in.
(42W x 42H x 9D mm)

GENERAL

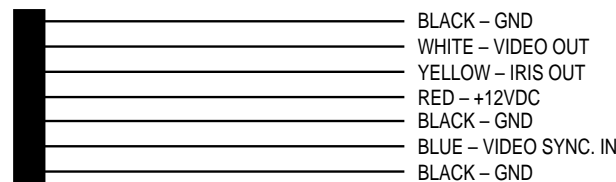
Weight	0.9 oz (25g)
Ambient Temperature	
Operation	23°F - 104°F (-5°C - 40°C)
Storage	-13°F - 140°F (-25°C - 60°C)
Ambient Humidity	20% - 80% (non-condensing)

Design and specifications are subject to change without notice.

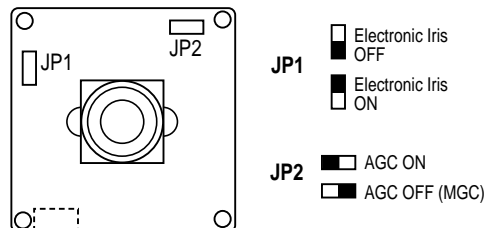
OPTIONS AND ACCESSORIES

BC460/P	1/3" B&W CCD 12V dc board camera w/ 3.7mm pinhole lens
BC460/W25	1/3" B&W CCD 12V dc board camera w/ 2.5 mm lens
BC460/N36	1/3" B&W CCD 12V dc board camera w/ 3.6 mm lens
BC460/T6	1/3" B&W CCD 12V dc board camera w/ 6.0 mm lens
BC460/T8	1/3" B&W CCD 12V dc board camera w/ 8.0 mm lens
BC460/T16	1/3" B&W CCD 12V dc board camera w/ 16 mm lens
BC460/T25	1/3" B&W CCD 12V dc board camera w/ 25 mm lens
B2519	2.5mm F3.5 lens for BC460/P camera
B3635	3.6mm F5.0 lens for BC460/P camera
B6040	6mm F4.0 lens for BC460/P camera
B8035	8mm F3.5 lens for BC460/P camera
B1619	16mm F4.0 lens for BC460/P camera
B2500	25mm F5.0 lens for BC460/P camera
BHA	Lens mount adapter for BC460/P or BC710P (required for optional lens)
460MBA	Flat wall mount for BC460/P camera
460MBB	Wedge for 460MBA
460MC	Mini-case for BC460/P camera, white
460MC-BL	Mini-case for BC460/P camera, black
B467	Spare 7 wire assembly for BC460/P

WIRE CONNECTORS



JUMPER POSITIONS



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